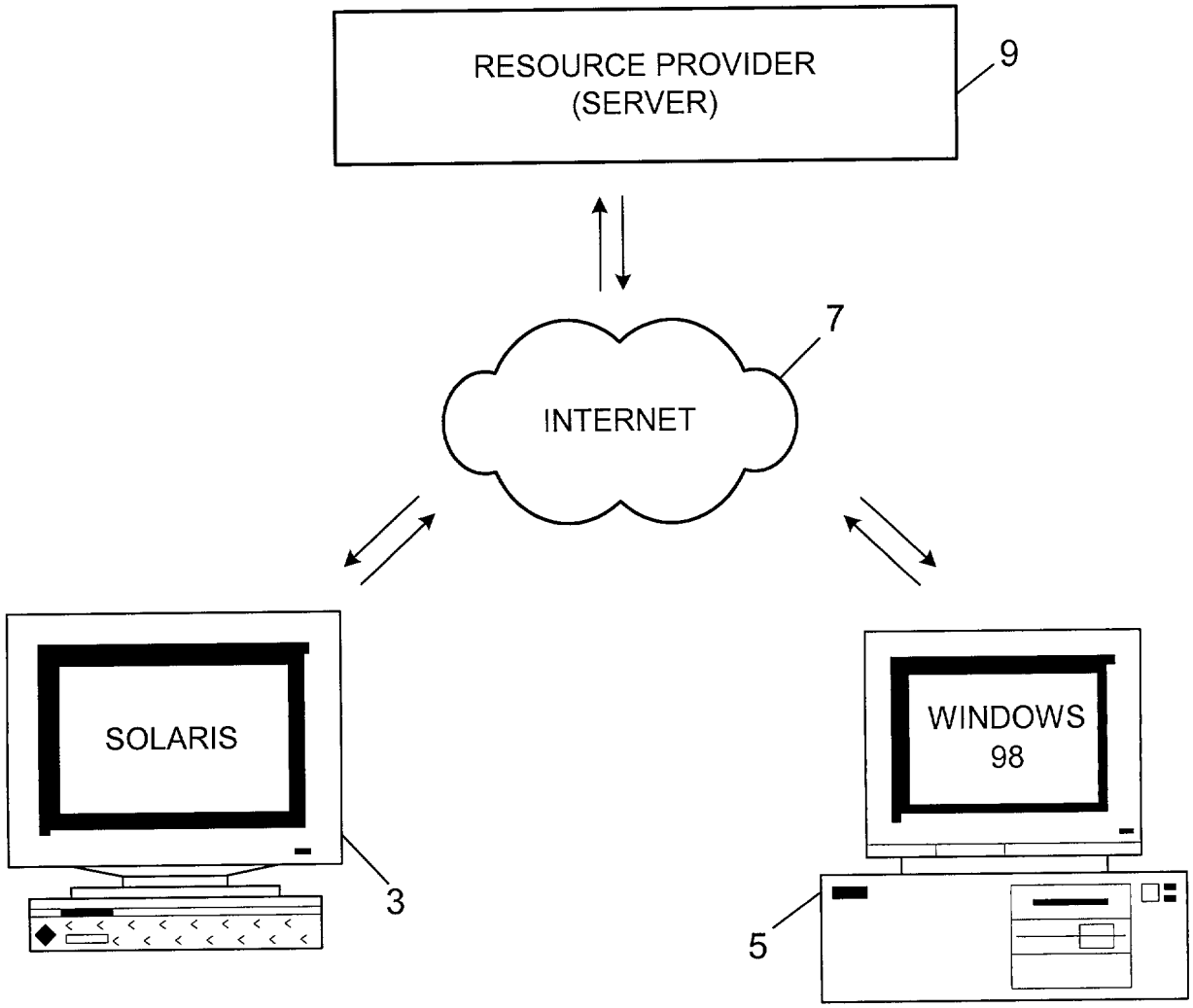
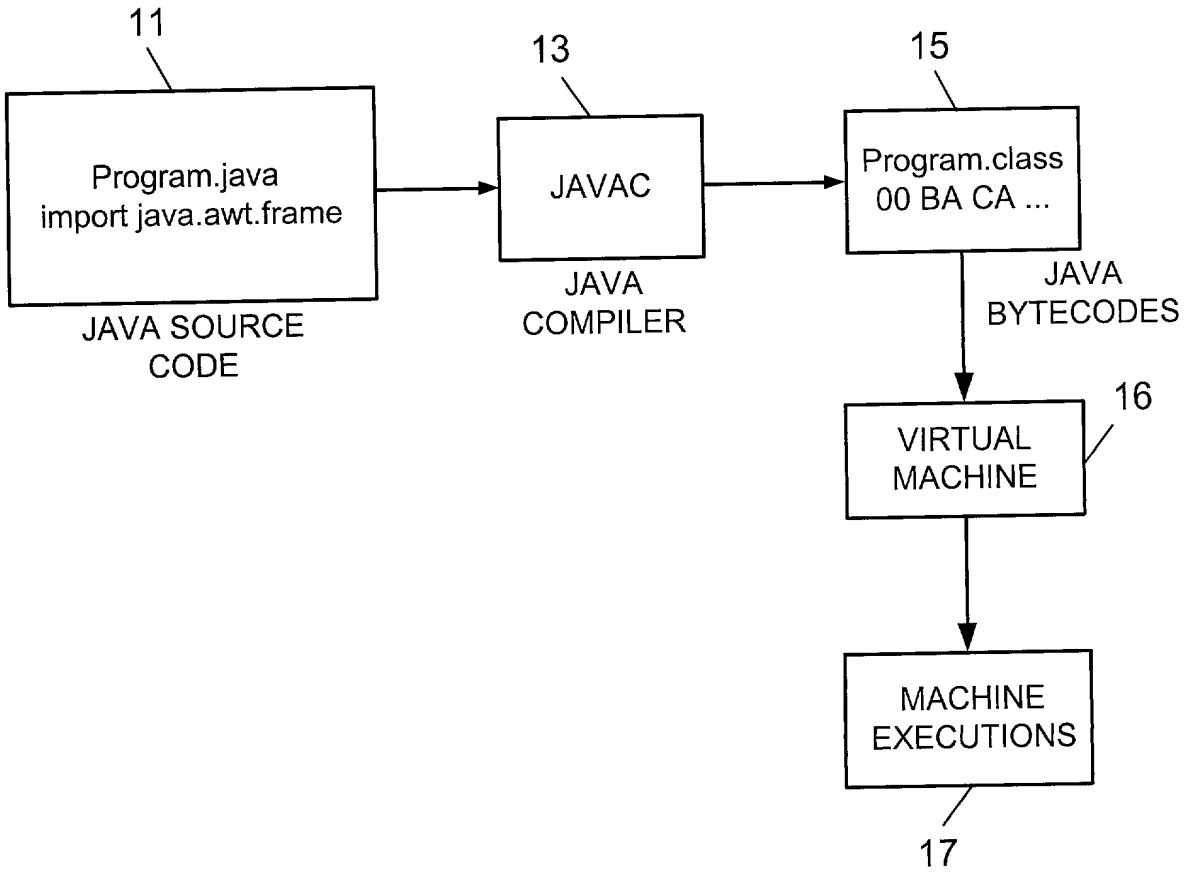
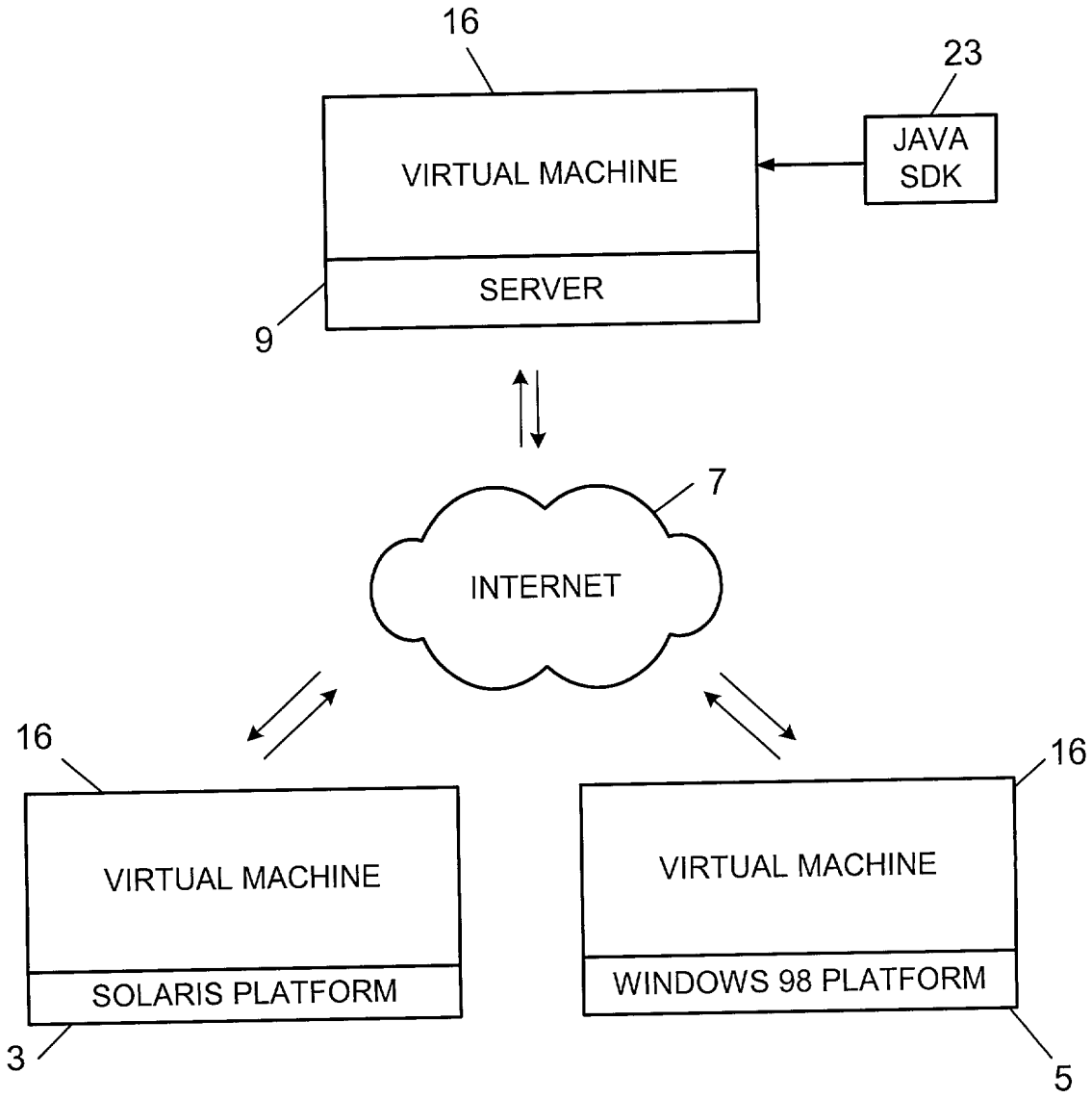
09898394 - 050402



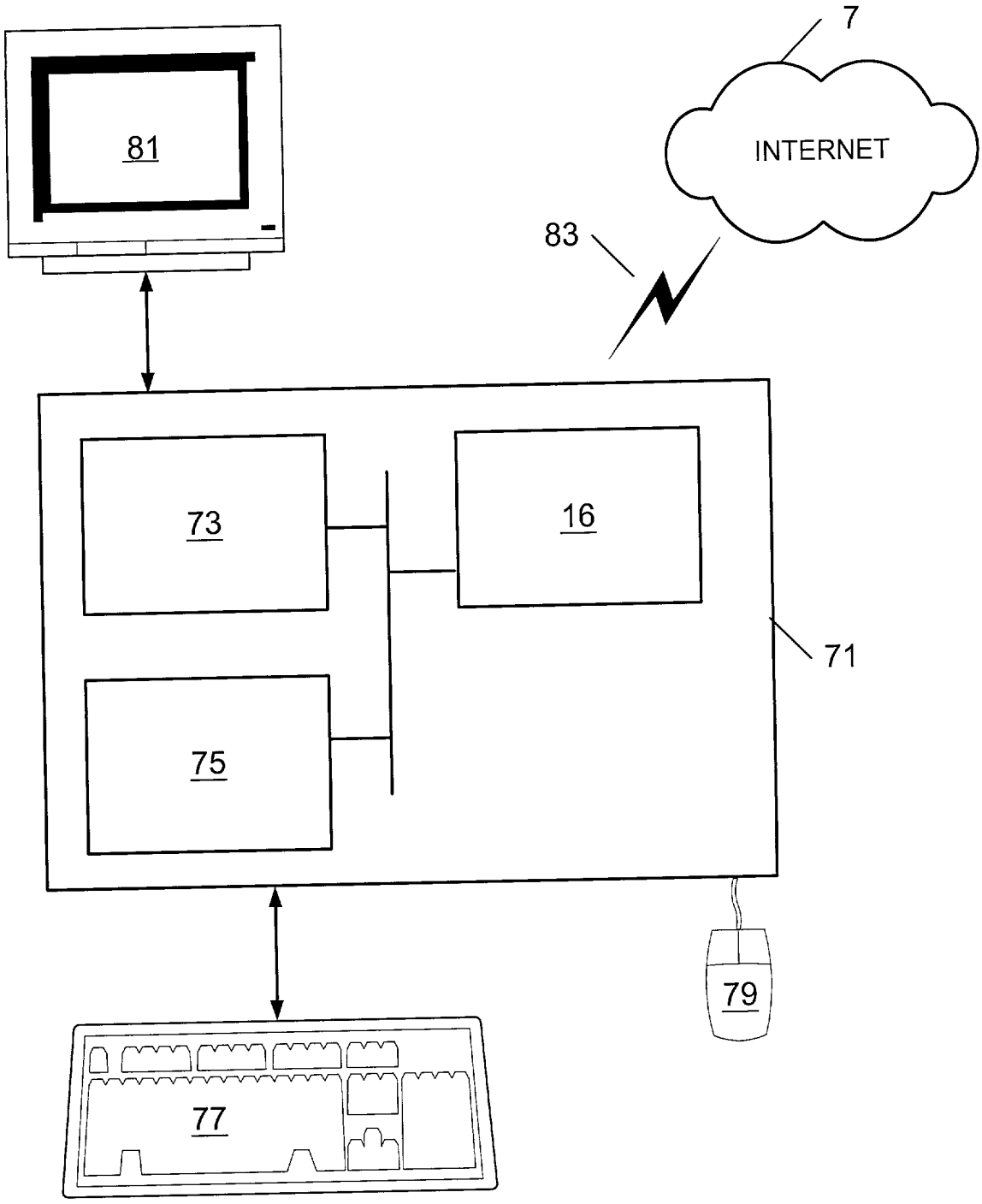
(PRIOR ART)
FIGURE 1



(PRIOR ART)
FIGURE 2

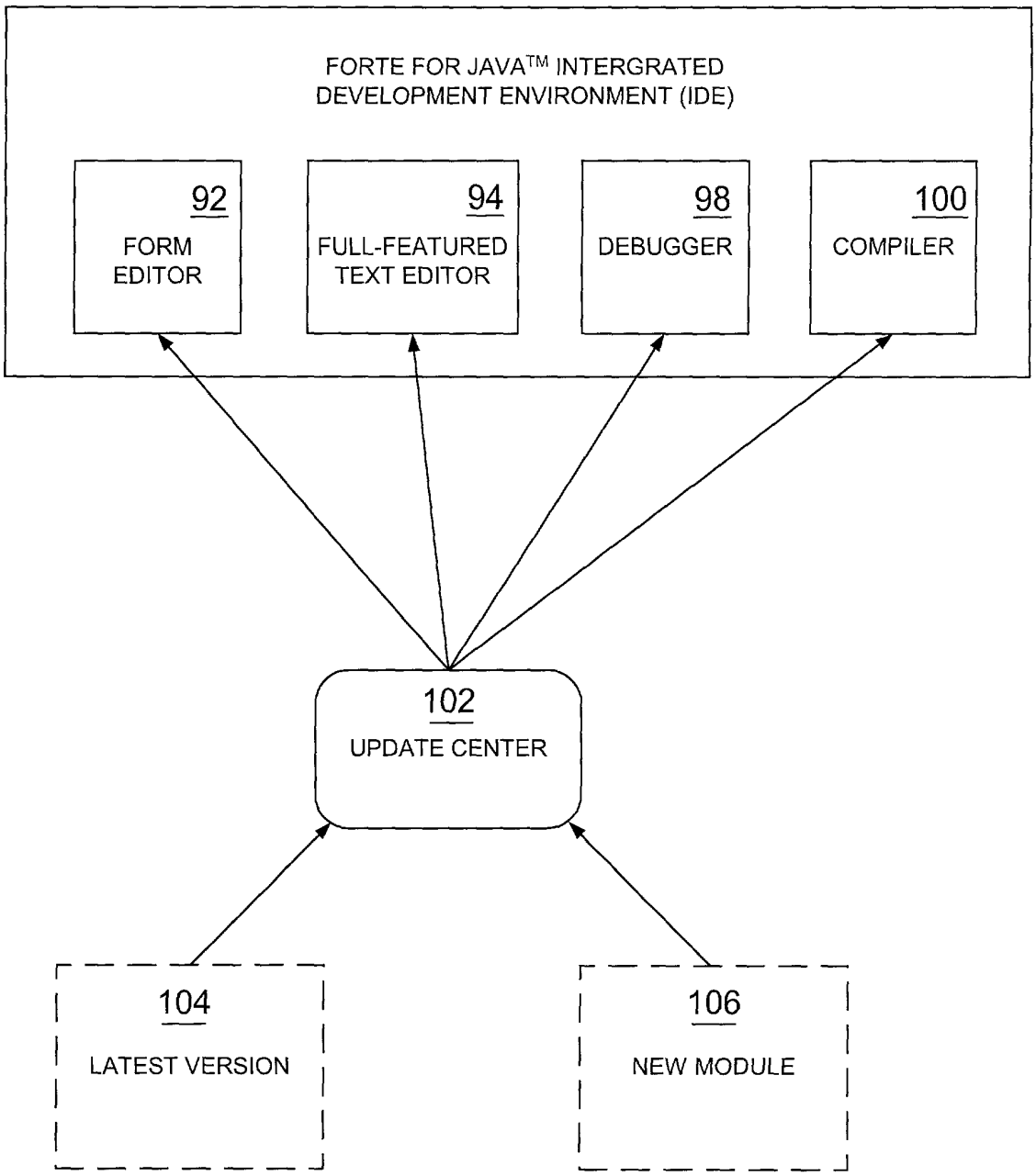


(PRIOR ART)
FIGURE 3

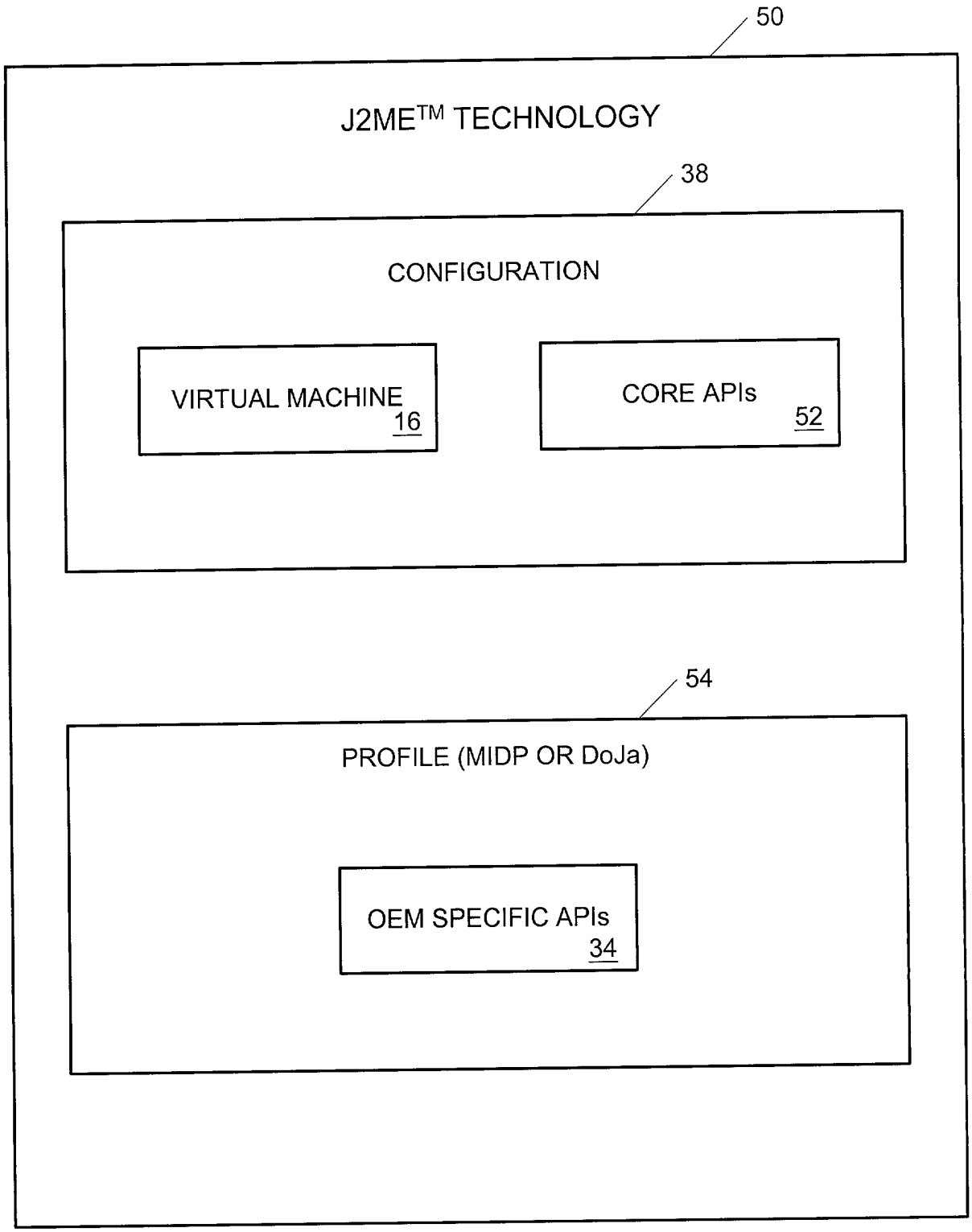


(PRIOR ART)
FIGURE 4

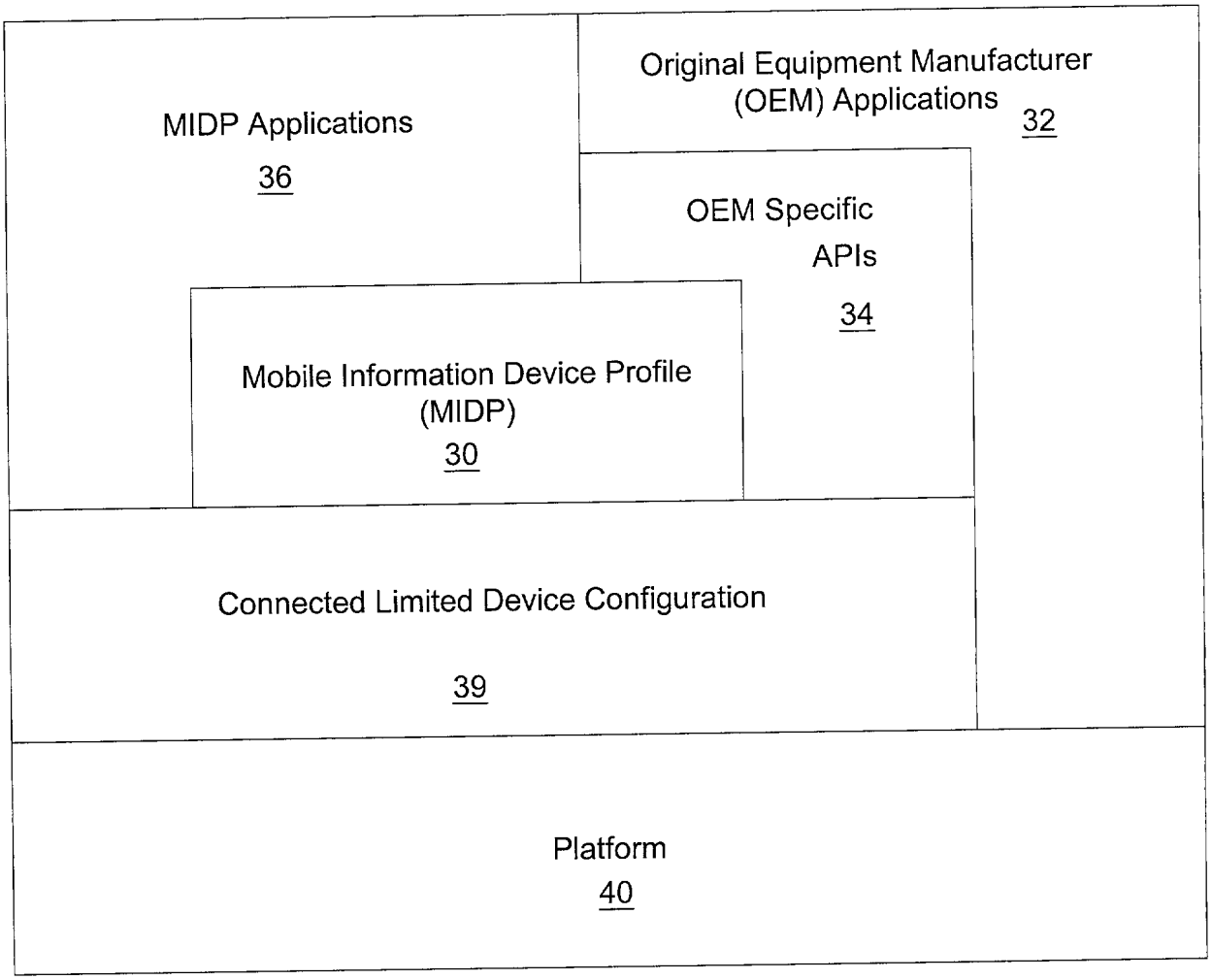
4004-4004-4004-4004



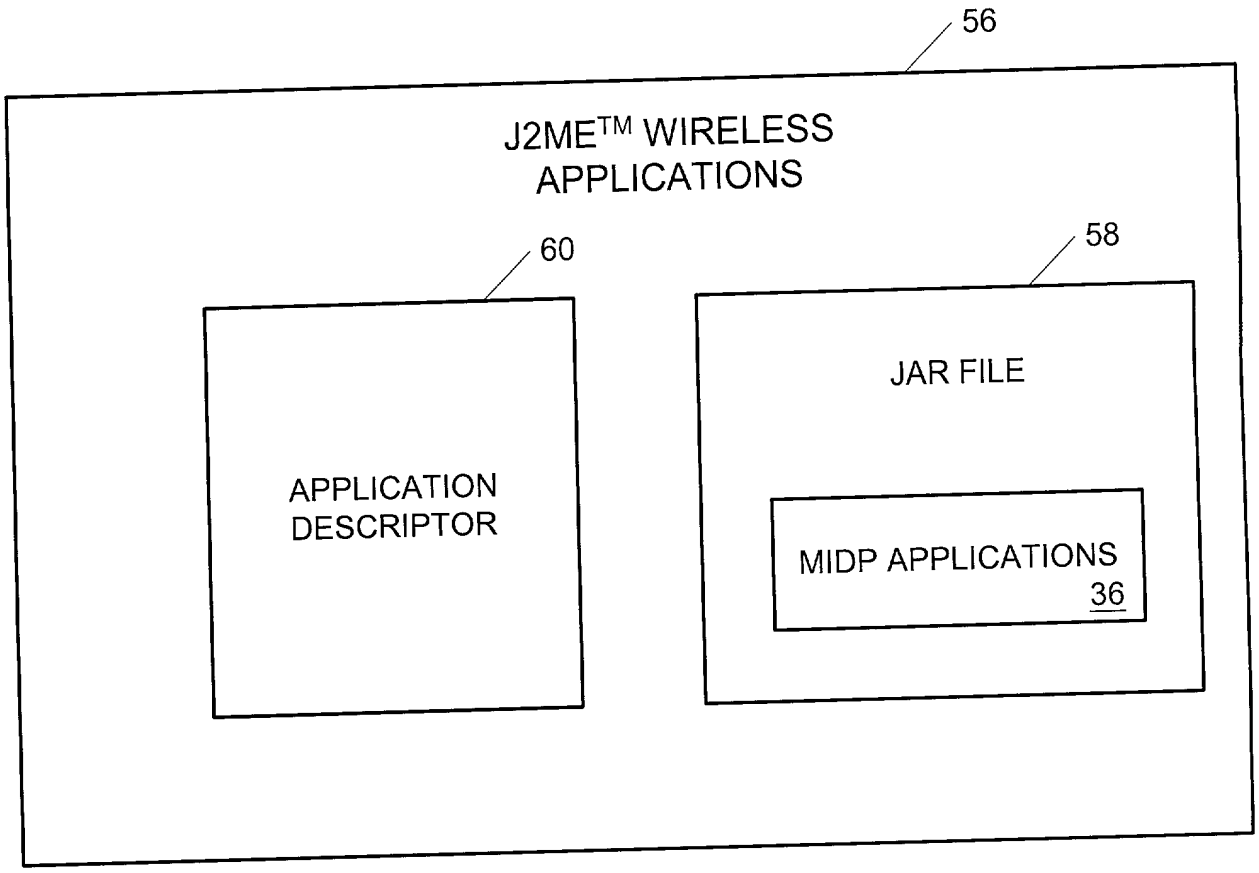
(PRIOR ART)
FIGURE 5



(PRIOR ART)
FIGURE 6



(PRIOR ART)
FIGURE 7



(PRIOR ART)
FIGURE 8

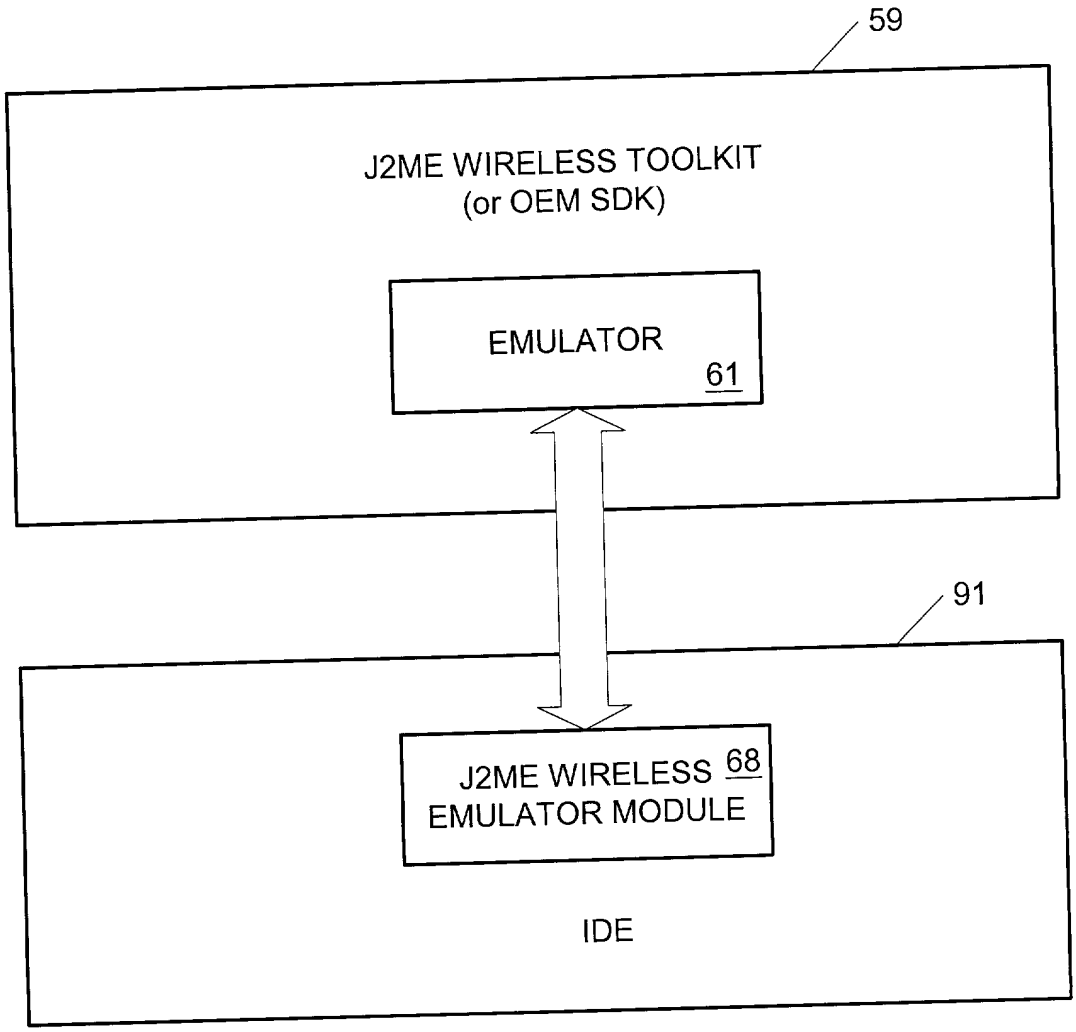

59
J2ME WIRELESS TOOLKIT
(or OEM SDK)
EMULATOR
61
91
J2ME WIRELESS
EMULATOR MODULE
68
IDE

FIGURE 9

Patent Application Publication

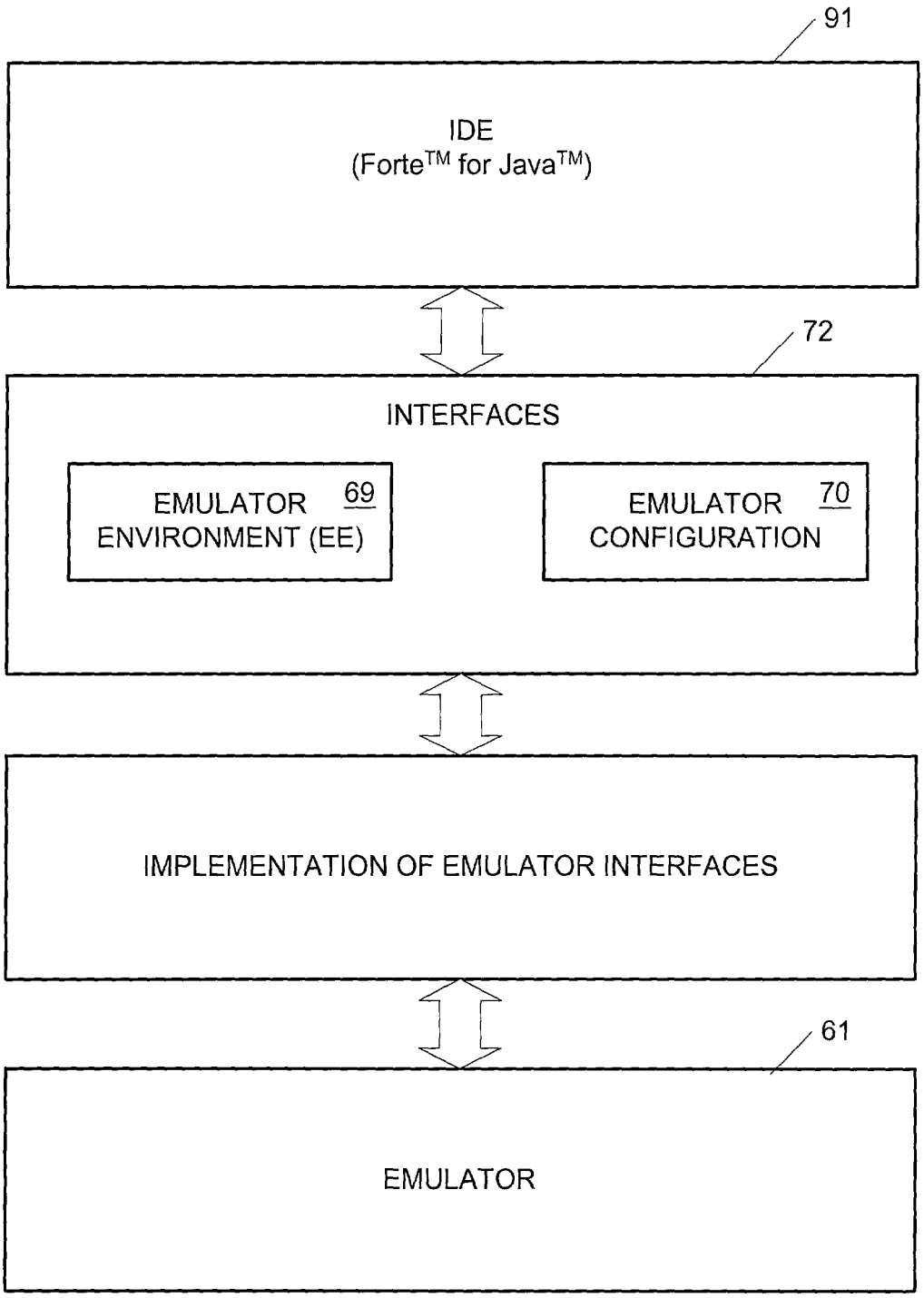


FIGURE 10

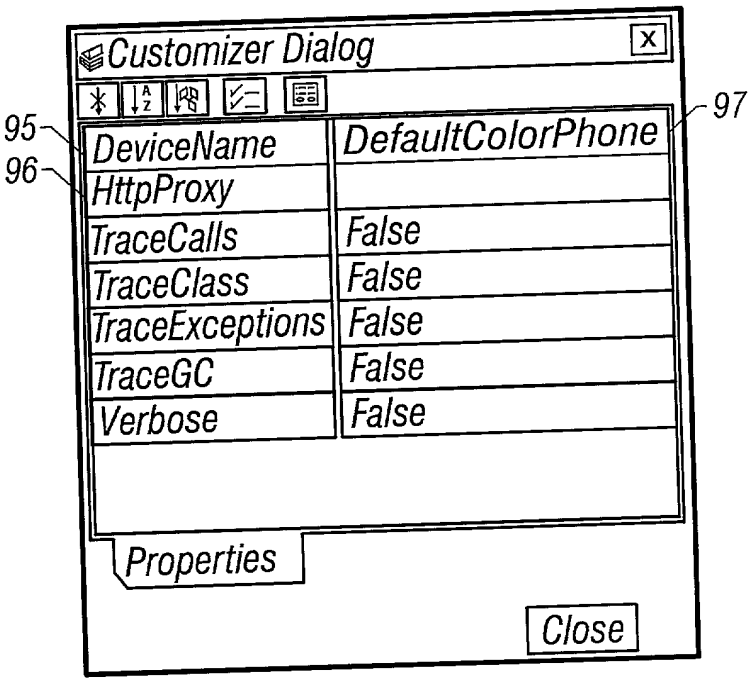

Customizer Dialog
X
95
96
97
DeviceName
DefaultColorPhone
HttpProxy
TraceCalls
False
TraceClass
False
TraceExceptions
False
TraceGC
False
Verbose
False
Properties
Close

FIG. 11

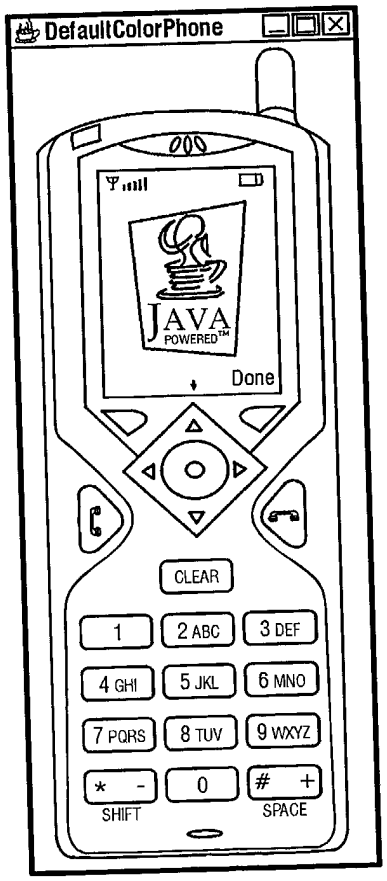

DefaultColorPhone
JAVA
POWERED™
Done
CLEAR
1
2 ABC
3 DEF
4 GHI
5 JKL
6 MNO
7 PQRS
8 TUV
9 WXYZ
* -
SHIFT
0
+
SPACE

FIG. 12

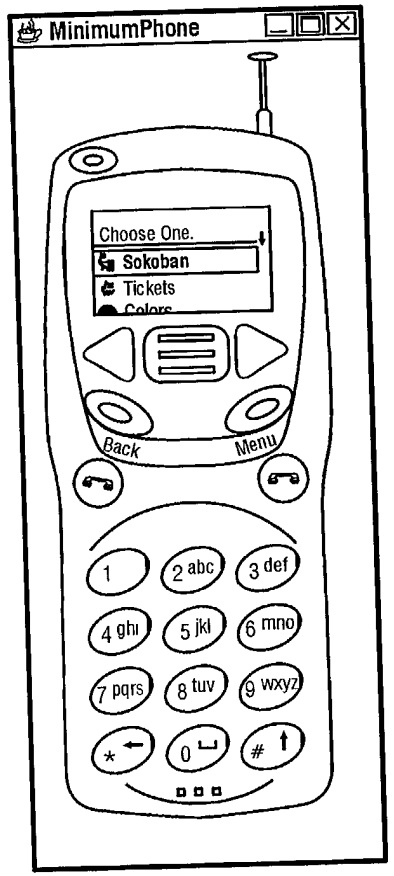

MinimumPhone
Choose One.
Sokoban
Tickets
Back
Menu
1
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
*
0
#

FIG. 13

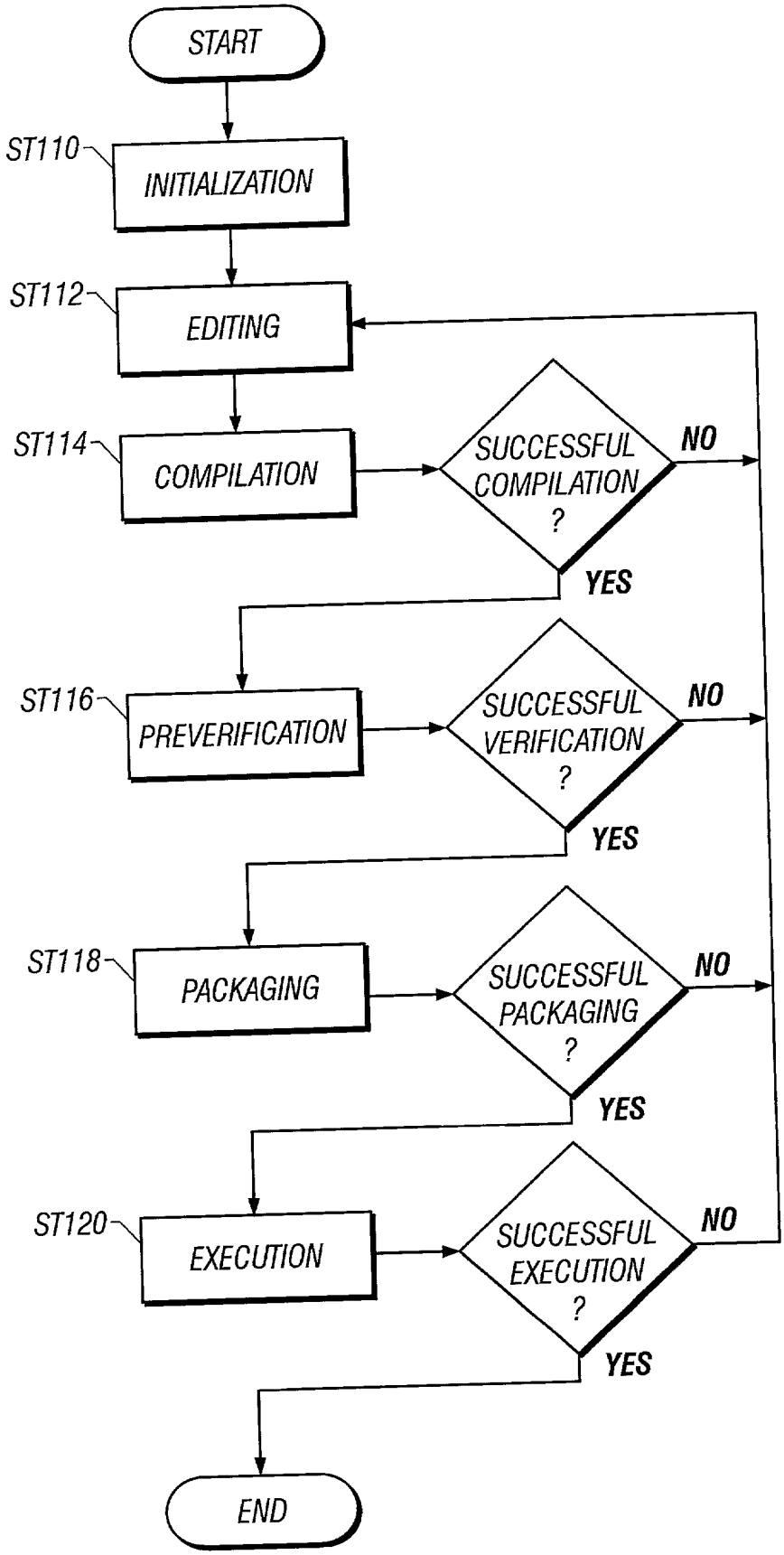

START
ST110
INITIALIZATION
ST112
EDITING
ST114
COMPILATION
SUCCESSFUL COMPILATION ?
NO
YES
ST116
PREVERIFICATION
SUCCESSFUL VERIFICATION ?
NO
YES
ST118
PACKAGING
SUCCESSFUL PACKAGING ?
NO
YES
ST120
EXECUTION
SUCCESSFUL EXECUTION ?
NO
YES
END

FIG. 14

TOh090"hE820860

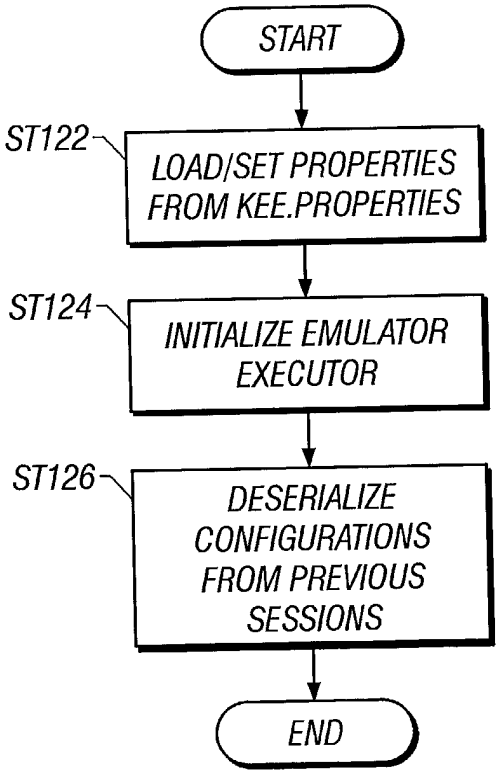


FIG. 15

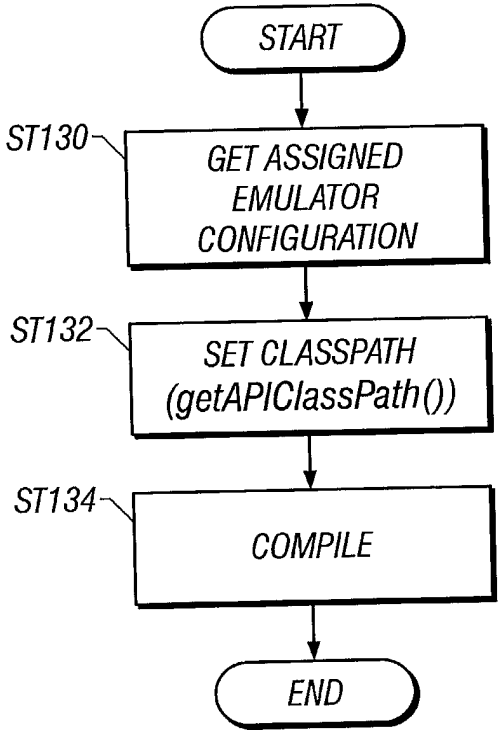


FIG. 16

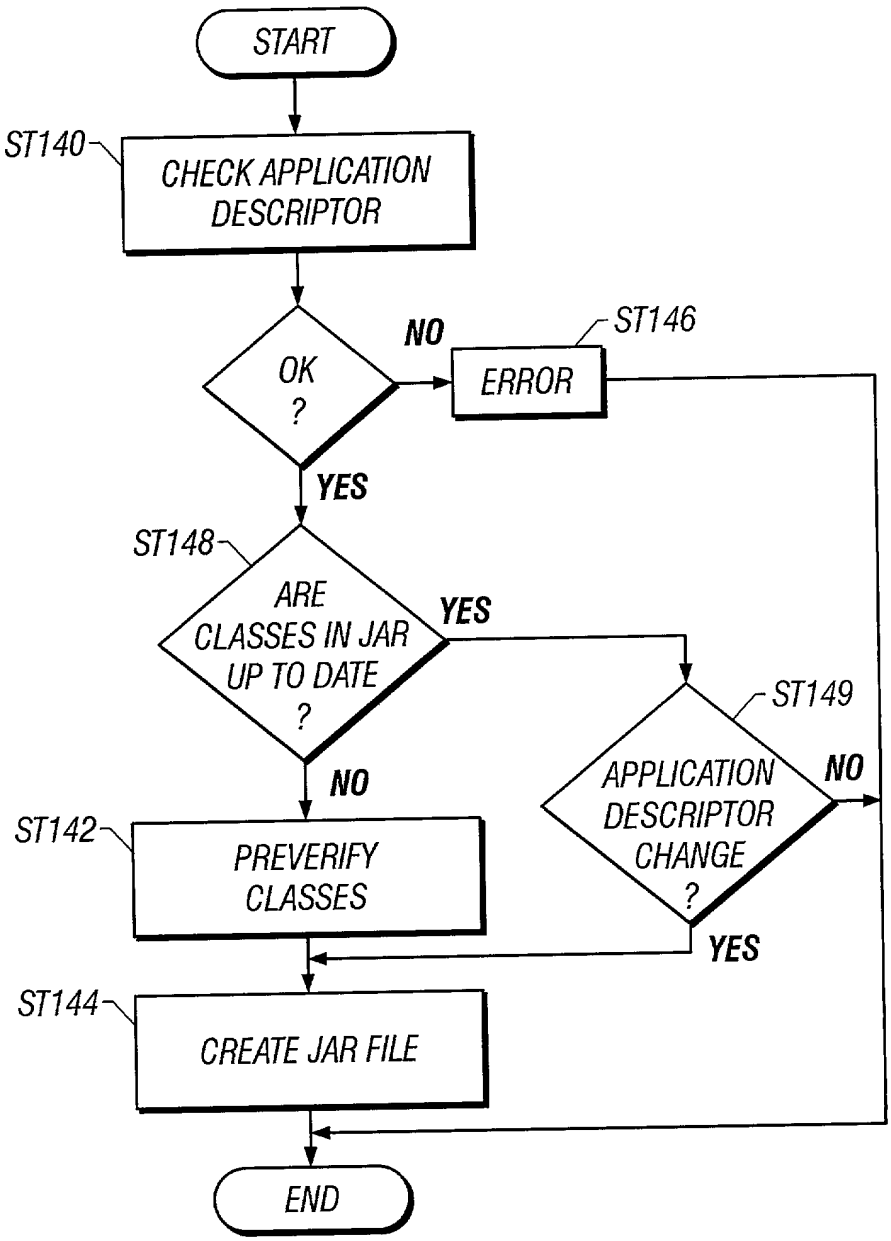

START
ST140
CHECK APPLICATION DESCRIPTOR
OK ?
NO
ST146
ERROR
YES
ST148
ARE CLASSES IN JAR UP TO DATE ?
YES
ST149
APPLICATION DESCRIPTOR CHANGE ?
NO
NO
ST142
PREVERIFY CLASSES
YES
ST144
CREATE JAR FILE
END

FIG. 17

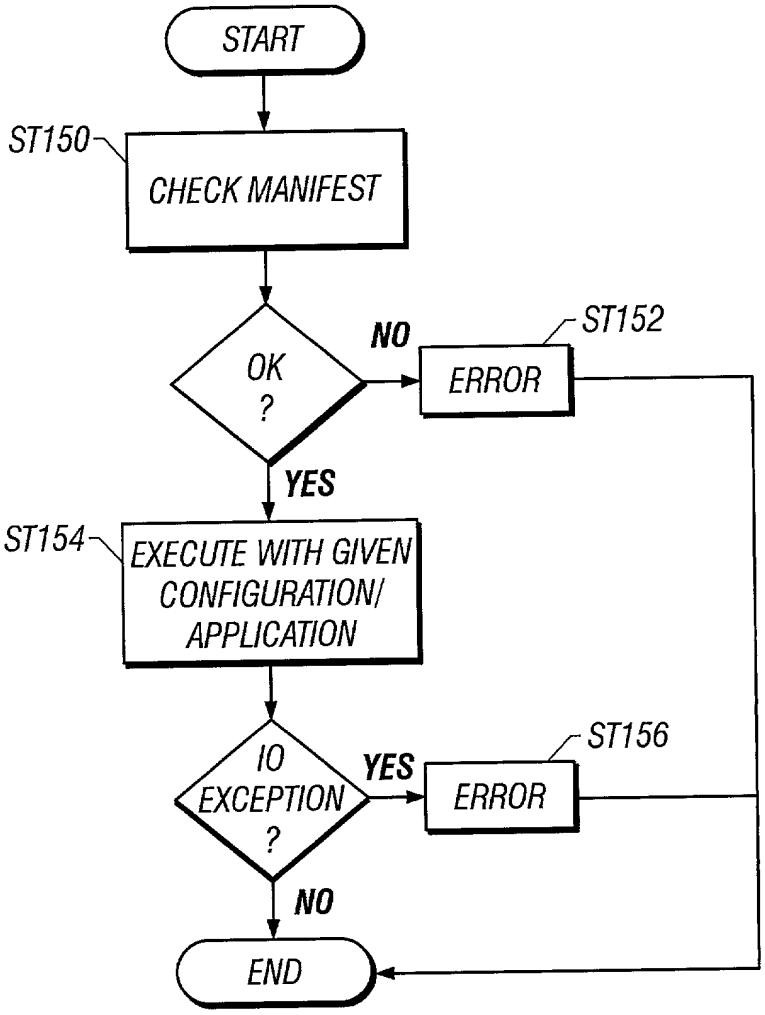

START
ST150
CHECK MANIFEST
OK ?
NO
ST152
ERROR
YES
ST154
EXECUTE WITH GIVEN CONFIGURATION/ APPLICATION
IO EXCEPTION ?
YES
ST156
ERROR
NO
END

FIG. 18

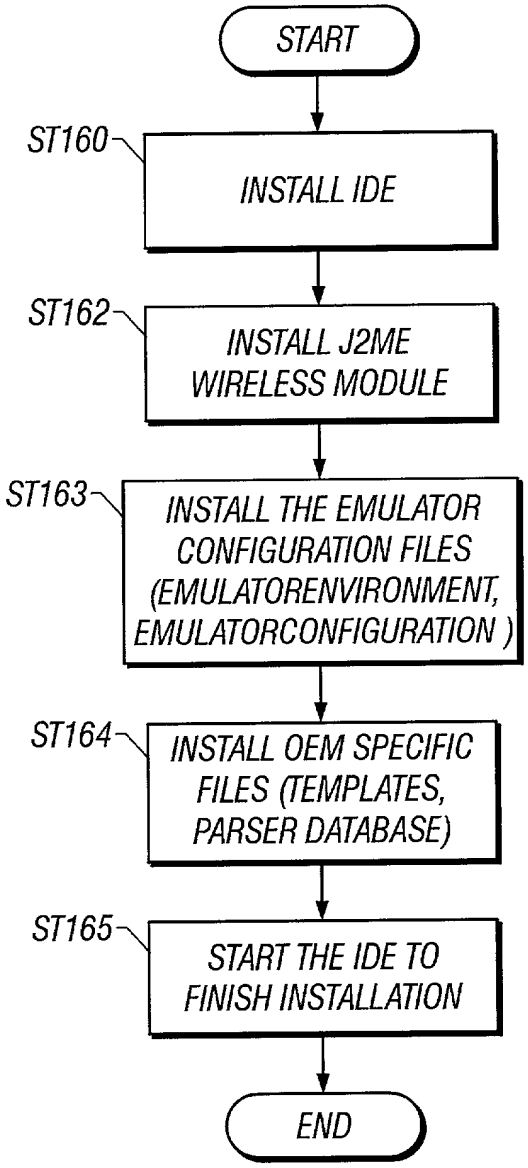

START
ST160
INSTALL IDE
ST162
INSTALL J2ME WIRELESS MODULE
ST163
INSTALL THE EMULATOR CONFIGURATION FILES (EMULATORENVIRONMENT, EMULATORCONFIGURATION)
ST164
INSTALL OEM SPECIFIC FILES (TEMPLATES, PARSER DATABASE)
ST165
START THE IDE TO FINISH INSTALLATION
END

FIG. 19

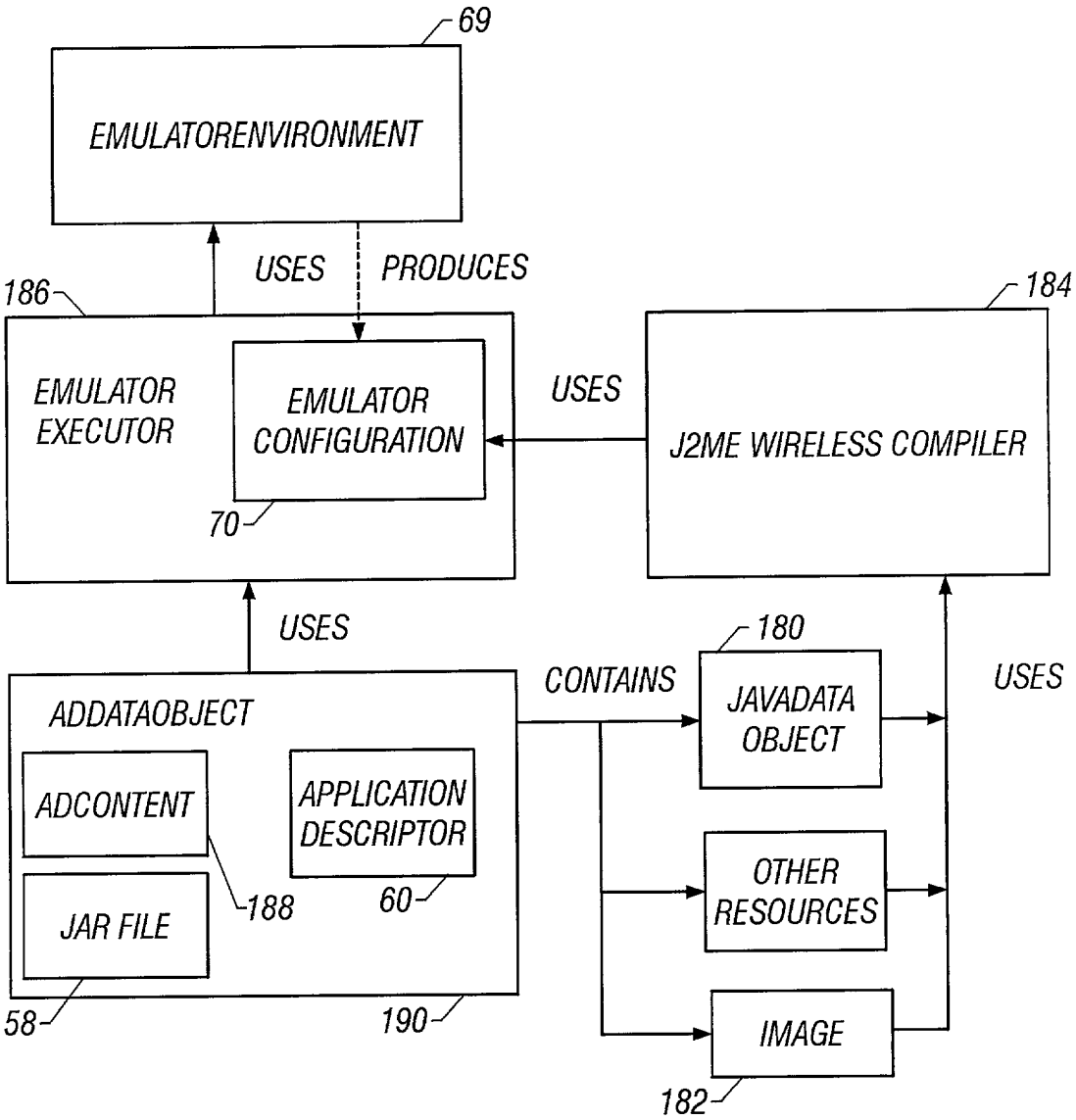

69
EMULATORENVIRONMENT
USES
PRODUCES
186
184
EMULATOR EXECUTOR
EMULATOR CONFIGURATION
70
USES
J2ME WIRELESS COMPILER
USES
180
CONTAINS
USES
ADDATAOBJECT
JAVADATA OBJECT
ADCONTENT
APPLICATION DESCRIPTOR
188
60
JAR FILE
OTHER RESOURCES
58
190
IMAGE
182

FIG. 20